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Examiner: Olms, Douglas W.

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All documents, with the exception of French Patent FR2683326, are in English and require no statement of relevance. Regarding French Patent FR2683326, an English abstract is provided as a brief statement of relevance to the above identified Application as required under

37 C.F.R. § 1.98. Also, since the present Information Disclosure Statement is being filed prior to issuance of a first Office Action on the merits, no certification under 37 C.F.R. §§1.97 (e) or fee under 37 C.F.R. §1.17(b) is required.

The Examiner is requested to consider the attached documents in connection with the above-identified application and to return a copy of Form PTO-1449 to the Applicants with the Examiner's initials in the spaces provided.

Submission of this Information Disclosure Statement does not constitute an admission by the Applicants as to the materiality of the attached documents to the application, nor do the Applicants waive any right to challenge the validity of the documents as prior art should such action be deemed appropriate.

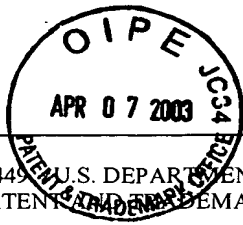
Respectfully submitted,

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Dated: April 7, 2003



Form PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)	ATTY. DOCKET NO. 43945	SERIAL NO. 09/847,169
	APPLICANT John M. Belcea	
	FILING DATE May 3, 2001	GROUP 2661

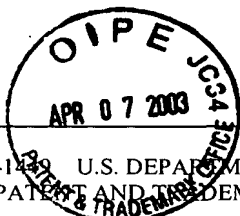
U.S. Patent Documents

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	6,359,872	03/19/2002	Mahany et al.	370	338	10/28/1997
	6,349,210	02/19/2002	Li	455	450	11/03/2000
	6,349,091	02/19/2002	Li	370	238	11/07/2000
	6,327,300	12/04/2001	Souissi et al.	375	219	10/25/1999
	6,304,556	10/16/2001	Haas	370	254	08/24/1998
	6,285,892	09/04/2001	Hulyalkar	455	574	11/24/1998
	6,275,707	08/14/2001	Reed et al.	455	456	10/08/1999
	6,249,516	06/19/2001	Brownrigg et al.	370	338	01/27/2000
	6,246,875	06/12/2001	Seazholtz et al.	455	432	03/26/1999
	6,240,294	05/29/2001	Hamilton et al.	455	456	05/30/1997
	6,223,240	04/24/2001	Odenwald et al.	710	129	01/31/2000
	6,222,463	04/24/2001	Rai	340	928	06/25/1998
	6,208,870	03/27/2001	Lorello et al.	455	466	06/01/1999
	6,192,230	02/20/2001	Van Bokhorst et al.	455	343	09/27/1993
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	6,178,337	01/23/2001	Spartz et al.	455	561	06/19/1997
	6,163,699	12/19/2000	Naor et al.	455	453	09/15/1997
	6,132,306	10/17/2000	Trompower	453	11.1	03/29/1996
	6,122,690	09/19/2000	Nannetti et al.	710	102	04/17/1998
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	6,108,738	08/22/2000	Chambers et al.	710	113	06/10/1997
	6,078,566	06/20/2000	Kikinis	370	286	04/28/1998
	6,067,297	05/23/2000	Beach	370	389	06/28/1996
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	6,064,626	05/16/2000	Stevens	365	233	07/31/1998
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	6,029,217	02/22/2000	Arimilli et al.	710	107	10/03/1994
	5,991,279	12/23/1999	Haugli et al.	370	311	12/04/1996
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	5,909,651	06/01/1999	Chander et al.	455	466	05/05/1997
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	5,684,794	11/04/1997	Lopez et al.	370	337	01/25/1996
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	5,631,897	05/20/1997	Pacheco et al.	370	237	10/01/1993
	5,627,976	05/06/1997	McFarland et al.	395	308	03/20/1995
	5,623,495	04/22/1997	Eng et al.	370	397	06/15/1995
	5,621,732	04/15/1997	Osawa	370	79	04/18/1995
	5,618,045	04/08/1997	Kagan et al.	463	40	02/08/1995
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	5,555,425	09/10/1996	Zeller et al.	395	800	03/07/1990
	5,517,491	05/14/1996	Nanni et al.	370	29	05/05/1995
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	5,424,747	06/13/1995	Chazelas	342	70	04/09/1993
	5,412,654	05/02/1995	Perkins	370	94.1	01/10/1994
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	5,034,961	07/23/1991	Adams	375	130	06/03/1988
	4,910,521	03/20/1990	Mellon	342	45	08/03/1931
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	4,742,357	05/03/1988	Rackley	342	457	09/17/1986
	4,736,371	04/05/1988	Tejima et al.	370	95	12/29/1986
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	2001/0053699	12/20/2001	McCrady et al.	455	513	02/06/2001

Foreign Patent Documents or Foreign Patent Applications

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						Yes	No
	EP 0513841 A2	11/19/1992	EPO			X	
	EP 0924890 A2	06/23/1999	EPO			X	
	EP 0627827 A2	12/07/1994	EPO			X	
	WO 9912302	03/11/1999	WIPO			X	
	WO 9839936	09/11/1998	WIPO			X	

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	APPLICANT John M. Belcea	
	FILING DATE May 3, 2001	GROUP 2661

Foreign Patent Documents or Foreign Patent Applications

	Document No.	Publication Date	Country or Patent Office	Class	Sub-class	Translation	
						Yes	No
	WO 9724005	07/03/1997	WIPO			X	
	WO 9608884	03/21/1996	WIPO			X	
	WO 0235253	05/02/2002	WIPO			X	
	WO 0137483	05/25/2001	WIPO			X	
	WO 0137482	05/25/2001	WIPO			X	
	WO 0137481	05/25/2001	WIPO			X	
	WO 0135567	05/17/2001	WIPO			X	
	WO 0133770	05/10/2001	WIPO			X	
	WO 0110154	02/08/2001	WIPO			X	
	WO 0034932	06/15/2000	WIPO			X	
	CA 2132180	03/16/1996	Canada			X	
	FR 2683326	07/05/1993	France				X

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Examiner Initial	No.	Author, Title, Date, Place (e.g. Journal) of Publication
		Wong et al., "Soft Handoffs in CDMA Mobile Systems", December 1997, IEEE Personal Communications
		Wong et al., "A Pattern Recognition System for Handoff Algorithms", July 2000, IEEE Journal on Selected Areas in Communications, vol. 18, no. 7
		Andras G. Valko, "Cellular IP: A New Approach to Internet Host Mobility", January 1999, ACM Computer Communication Review
		Richard North, Dale Bryan and Dennis Baker, "Wireless Networked Radios: Comparison of Military, Commercial, and R&D Protocols", February 28-March 3, 1999, 2 nd Annual UCSD Conference on Wireless Communications, San Diego CA
		Benjamin B. Peterson, Chris Kmiecik, Richard Hartnett, Patrick M. Thompson, Jose Mendoza and Hung Nguyen, "Spread Spectrum Indoor Geolocation", August 1998, Navigation: Journal of the Institute of Navigation, vol. 45, no. 2, summer 1998

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw Line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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LIST OF PATENTS AND PUBLICATIONS FOR
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ATTY. DOCKET NO.

43945

SERIAL NO.

09/847,169

APPLICANT

John M. Belcea

FILING DATE

5/3/2001

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2661

REFERENCE DESIGNATION

U.S. PATENT DOCUMENTS

EXAMINER REF. NO.	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AA	5 9 4 3 3 2 2	8/99	Mayor, et al.	370	280	
AB						
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FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
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OTHER

ART (Including Author, Title, Date, Pertinent Pages, Etc.)

AR	"A Review of Current Routing Protocols for Ad-Hoc Mobile Wireless Networks", Royer, et al., Univ. of Calif.
AS	"The Dynamic Source Routing Protocol for Mobile Ad Hoc Networks", IETF MANET Working Group; Josh Broch, et al., 12/98.
AT	"Ad hoc On-Demand Distance Vector Routing draft-ietf-manet- aodv-08.txt", Mobile Ad Hoc Networking Working Group, Charles E. Perkins, et al., March 2, 2001.

EXAMINER

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U.S. PATENT DOCUMENTS

EXAMINER REF. NO.	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
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FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
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OTHER

ART (Including Author, Title, Date, Pertinent Pages, Etc.)

AR	"Optimized Link State Routing Protocol", IETF MANET Working Group, Philippe Jacquet, et al, September 2, 2001
AS	"The Dynamic Source Routing for Mobile Ad Hoc Networks", IETF MANET Working Group, David B. Johnson, et al., March 2, 2001
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U.S. PATENT DOCUMENTS

EXAMINER REFL		DOCUMENT NUMBER							DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	5	5	3	3	0	2	6	7/96	Ahmadi, et al.	370	94	
	AB	5	6	4	4	5	7	6	7/97	Bauchot, et al.	370	437	
	AC	5	7	4	8	6	2	4	5/98	Kondo	370	347	
	AD	5	7	8	7	0	7	6	7/98	Anderson, et al.	370	294	
	AE	5	9	8	7	0	1	1	11/99	Toh	370	331	
	AF	6	0	1	6	3	1	1	1/00	Gilbert, et al.	370	280	
	AG	6	0	2	8	8	5	3	2/00	Haartsen	370	338	
	AH	6	0	2	9	0	7	4	2/00	Irvin	4552	571	
	AI	6	0	5	8	1	0	6	5/00	Cudak, et al.	370	313	
	AJ	6	0	8	8	3	3	7	7/00	Eastmond, et al.	370	280	
	AK	6	0	9	7	7	0	4	8/00	Jackson, et al.	370	280	

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		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
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OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	AR	"Topology Control of Multihop Wireless Networks using Transmit Power Adjustment", by Ram Ramanathan and Regina Rosales-Hain; BBN Technologies (Division of GTE), Cambridge, Mass. 1997.
	AS	"Reversing the Collision-Avoidance Handshake in Wireless Networks" by J.J. Garcia-Luna-Aceves and Asimakis Tzamaloukas; Baskin School of Engineering, University of California, Santa Cruz, 1997
E	AT	"Self-Organizing, Self-Healing Wireless Networks", by Chip Elliot and Bob Helle; BBN Technologies, Cambridge, Mass.; IEEE, 2000

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U.S. PATENT DOCUMENTS

EXAMINER RTVL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	6 1 0 4 7 1 2	8/00	Robert, et al.	370	389	
	AB	6 1 0 8 3 1 6	8/00	Agrawal, et al.	370	311	
	AC	6 1 3 0 8 8 1	10/00	Stiller, et al.	370	238	
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FOREIGN PATENT DOCUMENTS

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OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	AR	"A Performance Comparison of Multi-Hop Wireless Ad Hoc Network Routing Protocols", by Josh Broch, et al., Carnegie Mellon University, Pittsburgh, Pa., Proceedings of the Fourth Annual ACM/IEEE International Conference on Mobile Computing and Networking, 1998.
	AS	"USAP: A Unifying Dynamic Distributed Multichannel TDMA Slot Assignment Protocol", by C. David Young, Rockwell International, Richardson, Texas
	AT	"Net Throughput with IEEE 802.11 Wireless LANs", by Ad Kamerman and Guido Aben, Lucent Tech., Nieuwegein, The Netherlands

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	AR	"Transmission-Efficient Routing in Wireless Networks Using Link-State
	AS	Information", by J.J. Garcia-Luna-Aceves, Baskin School of Engineering, University of California, Santa Cruz; 1997.
	AT	"The Core-Assisted Mesh Protocol", by J.J. Garcia-Luna-Aceves and Ewerton L. Madruga, Baskin School of Engineering, University of California, Santa Cruz; 1997.
	AT	"Optimization of an Adaptive Link Control Protocol for Multimedia Packet Radio Networks", by J.R. McChesney, et al.; ITR Industries Aerospace Comm. Div.; Ft. Wayne, IN; 1997

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ART (Including Author, Title, Date, Pertinent Pages, Etc.)

AA	"Collision-Avoidance Transmission Scheduling for Ad-Hoc Networks", by Zhenyu Tang and J.J. Garcia-Luna-Aceves, University of California Santa Cruz, Calif., 1997.
AB	"QoS Networking with Adaptive Link Control and Tactical Multi- Channel Software Radios", by George Vardakas, et al., Communications Systems Div. of Raytheon Systems Co., San Diego, Calif.; 1997.
AT	

EXAMINER

DATE CONSIDERED

